

# METHOD FOR DETERMINING THE ACTUAL OXYGEN LOAD OF A 3-PATH CATALYST OF A LAMBDA-CONTROLLED INTERNAL COMBUSTION ENGINE

Publication number: EP1718853 (A1)

Publication date: 2006-11-08

Inventor(s): POEHMERER WOLF DIETER [FR]; RENZ VOLKER [DE]; ROESEL GERD [DE]; TICHY MILOS [DE]

Applicant(s): SIEMENS AG [DE]

Classification:

- international: **F02D41/02; F01N11/00; F02D41/14; F02D41/02; F01N11/00; F02D41/14**

- European: F01N11/00C; F02D41/02C4F

Application number: EP20040804688 20041206

Priority number(s): WO2004EP53283 20041206; DE200410009615 20040227

Also published as:

WO2005083250 (A1)

US2008314023 (A1)

JP2007534877 (T)

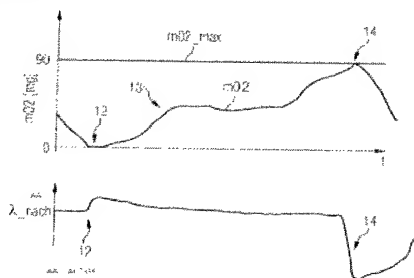
DE102004009615 (A1)

DE102004009615 (B4)

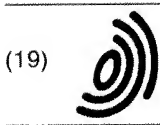
Abstract not available for EP 1718853 (A1)

Abstract of corresponding document: **WO 2005083250 (A1)**

The invention relates to a method for determining the actual oxygen load ( $m_{O2}$ ) of a 3-path catalyst (6) of a lambda-controlled internal combustion engine (1), whereby a value for the actual oxygen load ( $m_{O2}$ ) is calculated from the signal of a pre-catalyst lambda probe (5) and the measured air mass flow rate by integration over time, whereby the post-catalyst lambda probe is initialised when the signal is interrupted.



Data supplied from the esp@cenet database — Worldwide



Europäisches Patentamt

European Patent Office

Office européen des brevets

(11) Veröffentlichungsnummer:

(11) Publication number:

(11) Numéro de publication:

**EP 1 718 853 A0**

Internationale Anmeldung veröffentlicht durch die  
Weltorganisation für geistiges Eigentum unter der Nummer:

**WO 2005/083250** (art. 158 des EPÜ).

International application published by the World  
Intellectual Property Organisation under number:

**WO 2005/083250** (art. 158 of the EPC).

Demande internationale publiée par l'Organisation  
Mondiale de la Propriété sous le numéro:

**WO 2005/083250** (art. 158 de la CBE).